AIMEE SCHWAB-MCCOY

	•-	ACADEMIC APPOINTMENTS		
2021	•	Lecturer of Statistics and Health Informatics Institute of Technology Sligo	Sligo, Ireland	
2021 2017	•	Assistant Professor of Statistics Creighton University	♀ Omaha, NE	
2017 2015		Assistant Professor of Statistics Xavier University	♀ Cincinnati, OH	
2015 2010	•	Graduate Teaching Assistant Department of Statistics, University of Nebraska-Lincoln	Q Lincoln, NE	
		EDUCATION		
2015 2012	•	Ph.D, Statistics University of Nebraska-Lincoln • Dissertation: "Beta-Binomial Kriging: An Improved Method for Modeling Correlated Proportions"	♥ Lincoln, NE Spatially	
2012 2010		M.S., Statistics University of Nebraska-Lincoln • Thesis: "Evaluating the Teaching Assistant Preparation Course at UNL"	Q Lincoln, NE	
2010 2005		B.S., Mathematics University of Nebraska-Lincoln Honors: High distinction	♥ Lincoln, NE	
	:::::::	PEER-REVIEWED ARTICLES		
2021	•	"Developing Statistical Intuition Through Simulation Studies Statistics Course"	_	
		IASE Virtual Satellite Proceedings (Invited) • Aimee Schwab-McCoy	♀ Forthcoming	
2021	•	 "Misconceptions and Learning Gains about Statistical Inference in Introductory Biostatistics Courses" 		
2020		Journal of Statistics Education • Aimee Schwab-McCoy	♥ Under review	
2020		"Computing in the Data Science Curriculum: A Survey of Fa Practices, Challenges, and Needs" Journal of Statistics Education https://doi.org/10.1080/1069189 • Aimee Schwab-McCoy, Catherine Baker, and Rebecca Gasper	-	

CONTACT

aimeeschwabmccoy@gmail.com

ૐ AimeeSMcCoy

1-402-937-0171

aimeeschwabmccoy.github.io

RESEARCH INTERESTS

Statistics and data science curriculum and pedagogy

Generalized linear mixed models (applications in R)

Spatially correlated count data

Statistical consulting

Made w/ pagedown using Nick Strayer's CV guide github.com/nstrayer/cv.

ast updated: 2021-07-16.

2019		"Cellular prion protein gene polymorphisms linked to differential scrapie susceptibility correlate with distinct residue connectivity between secondary structure elements" Journal of Biomolecular Structure and Dynamics ◆ https://doi.org/10.1080/07391102.2019.1708794 • Patricia Soto, India Claflin, Alyssa Bursott, Aimee Schwab-McCoy, and Jason Bartz
2019		"The State of Statistics Education Research in Client Disciplines: Themes and Trends Across the University" Journal of Statistics Education ◆ https://doi.org/10.1080/10691898.2019.1687369 • Aimee Schwab-McCoy
2018		"The incidence of nursing students' perceived stress and burnout levels at a private university in California" Journal of Nursing Education
2018	•	"Bringing Mainstream Media into the Quantitative Literacy Classroom" Shifting Contexts, Stable Core: Advancing Quantitative Literacy in Higher Education ◆ E-ISBN: 9781614443247 • Aimee Schwab-McCoy
2017		"Life on an Island: Using Peer Consulting in Applied Statistics Courses" CHANCE: Vol. 30, Special Issue on Climate Change • https://chance.amstat.org/2017/11/life-on-an-island/ • Aimee Schwab-McCoy
2016		"Developing a First-Year Seminar Course in Statistics and Data Science" Promoting understanding of statistics about society. Proceedings of the Roundtable Conference of the International Association of Statistics Education (IASE), July 2016, Berlin Germany. • https://iase-web.org/documents/papers/rt2016/Schwab.pdf
2016	•	 Aimee Schwab-McCoy "Emerging Patterns in Multi-Sourced Data Modeling Uncertainty" Spatial Statistics: Special Issue on Emerging Patterns ♠ https://doi.org/10.1016/j.spasta.2016.05.005 Alexander Kolovos, Lynette Smith, Aimee Schwab-McCoy, Sarah Gengler, Hwa-Lung Yu
2015	•	"Beta-Binomial Kriging: An Improved Model for Spatial Rates" Procedia Environmental Sciences ↑ https://doi.org/10.1016/j.proenv.2015.07.101 • Aimee Schwab, David Marx
	<u> .iil</u>	PRESENTATIONS
Not	te: Vii	rtual conference presentations can be viewed on my YouTube channel
2021	•	"Developing Statistical Intuition Through Simulation Studies in a Second
		Statistics Course" IASE Virtual Satellite ◆ Aimee Schwab-McCoy

2021		Toronto Data Workshop: Invited Teaching Panel University of Toronto ◆ Remote • Panelists: Aimee Schwab-McCoy, Ashley Juavinett, Chris Papalia, and Samantha-Jo		
		Caetano		
2021	•	"Statistics Education Across the University: A Systematic Review" UNL x-DBER Virtual Conference ♥ Remote		
		Aimee Schwab-McCoy		
2020	•	"Moving Backward: Designing an R Ecosystem for Academic Programs" Use-R 2020!		
		Aimee Schwab-McCoy		
2020		"Is a Consensus Curriculum on the Horizon?" UC Berkeley Workshop on Data Science Education ▼ Remote (COVID-19)		
		Aimee Schwab-McCoy, Catherine Baker, and Rebecca Gasper		
2020	•	"Data Science in 2020: Computing, Curricula, and Challenges for the Next		
		Symposium on Data Science and Statistics ♥ Remote (COVID-19)		
		Aimee Schwab-McCoy, Catherine Baker, and Rebecca Gasper		
2020	•	"Subsemble Estimation for Spatial Count Data" Conference on Statistical Practice ♀ Sacramento, CA		
		Aimee Schwab-McCoy, Mark May		
2019	•	"Toward Interpretable Machine Learning"		
		Omaha Women in Machine Learning and Data Science (Invited) • Omaha, NE • Aimee Schwab-McCoy		
2019		"Pre-Conceptions of Statistical Inference in Biostatistics" University of Nebraska Medical Center Department Colloquium (Invited)		
		• Aimee Schwab-McCoy		
2019	•	"Pre-Conceptions of Statistical Inference in Biostatistics"		
		Joint Statistical Meetings ◆ Denver, CO • Aimee Schwab-McCoy		
		•		
2019		"Applications of Subsemble Estimation in Multivariate Spatial Models" Joint Statistical Meetings ♥ Denver, CO		
		Mark May, Aimee Schwab-McCoy		
2019		"Pre-Conceptions of Statistical Inference in Biostatistics"		
		US Conference on Teaching Statistics ◆ State College, PA • Aimee Schwab-McCoy		
0040				
2018		"Statistics Education Across the University: A Systematic Review" Joint Statistical Meetings Q Vancouver, BC, Canada		
		Aimee Schwab-McCoy		

2018	*Spatial Simulation and Estimation of Generalized Linear	Mixed Models			
	with Non-Normal Data" BERD Big Data Methodology Workshop • Lynette Smith, Aimee Schwab-McCoy, David Marx	♀ Omaha, NE			
2017	*Data-Focused Activities and Lessons in Seminar-Style II	ntroductory			
	Courses" US Conference on Teaching Statistics Aimee Schwab-McCoy, Ming-Wen An Wissman, Adam Molnar	State College, PA			
2018	"Life in the Data Deluge: A First-Year Seminar on the Imp Science for Daily Life"	Life in the Data Deluge: A First-Year Seminar on the Implications of Data			
	Joint Mathematics Meetings • Aimee Schwab-McCoy	♥ San Diego, CA			
2016	"Developing a First-Year Seminar Course in Statistics and IASE Roundtable Conference (Invited)	d Data Science" ♥ Berlin, Germany			
	Aimee Schwab-McCoy				
2015	"Statistical Consulting: Making Connections Across the OUS Conference on Teaching Statistics	Curriculum" ♥ State College, PA			
	Aimee Schwab, Pamela Fellers				
2016	 "Peer Consulting in Undergraduate Statistics Courses" Joint Mathematics Meetings Aimee Schwab-McCoy 	♀ Seattle, WA			
2015	 "Beta-Binomial Kriging: An Alternative Model for Spatial Joint Statistical Meetings Aimee Schwab, David Marx 	Rates" ♥ Seattle, WA			
2015	 "Beta-Binomial Kriging: An Alternative Model for Spatial Spatial Statistics 2015: Emerging Patterns Aimee Schwab, David Marx 	Rates" ▼ Avignon, France			
2014	 "Spatial Simulation and Estimation of Generalized Linear 	Mixed Models			
	with Non-Normal Data" METMA-GRASPA Joint Meeting • Lynette Smith, Aimee Schwab, David Marx	♀ Turino, Italy			
2014	 "Using the Island to Develop Consulting Skills" Joint Statistical Meetings Aimee Schwab 	♥ Boston, MA			
2014	"Developing New Statistics Instructors and Student Lead	ers Through			
	Peer Mentoring" CAUSE Webinar • Erin Blankenship, Aimee Schwab	Online webinar			

"Facebook Friend Data: Analyzing Non-Random Samples in the 2013 **Introductory Course**" Joint Statistical Meetings Montreal, Canada Aimee Schwab "Using StatCrunch Friend Data to Illustrate Consequences of a Non-2013 Random Sample" US Conference on Teaching Statistics Raleigh, NC Aimee Schwab **GRANTS** "Nebraska Institute in Human-Powered AI for Bioimaging" 2020 National Science Foundation (NSF 20-503) Amount: \$45,822 (Under review) · Creighton PI: Aimee Schwab-McCoy; Subaward from UNL "Nebraska Center for Modeling, Analysis, Prediction, and Imaging of 2019 Data" Nebraska EPSCoR RII Pre-Proposal Amount: \$13,633,045 (Declined) • PI: Jennifer Clarke (UNL); Co-PIs: Martin Centurion (UNL), Bertrand Clarke (UNL), Mikil Foss (UNL), Adam Larios (UNL), Mahbubal Majumder (UNO), Nathan Pennington (Creighton), Petronela Radu (UNL), Aimee Schwab-McCoy (Creighton), Stephen Scott (UNL) "MAPping Data Science: Establishing an Institute for Meaningful 2019 Assessment Practices in Data Science" National Science Foundation (NSF 19-549) • Amount: \$434,917 (Declined) • PI: Aimee Schwab-McCoy; Co-PIs: Catherine Baker, Rebcca Gasper "Applications of Subsemble Estimation in Multivariate Spatial Models" 2019 Creighton Haddix President's Faculty Research Fund Amount: \$5,000 (Awarded) • PI: Aimee Schwab-McCoy "Faculty Development Grant: Introduction to Data Science" 2019 CURAS Certificate in Research and Scholarship Amount: \$2,000 (Awarded) PI: Aimee Schwab-McCoy "Faculty Development Grant: Biostatistics" 2019 CURAS Certificate in Research and Scholarship Amount: \$4,000 (Awarded) • Co-Pls: Aimee Schwab-McCoy, Andrew Kraemer "Honey Bees in Peril: An investigation of honey bee viral infection 2018 dynamics and modeling-implications for Colony Collapse Disorder" Haddix Interdisciplinary Project Grant • Amount: \$15,000 (Awarded) • PI: Carol Fassbinder-Orth: Co-Pis: Andrew Kraemer, Aimee Schwab-McCov "Exploring Student Understanding and Misconceptions of Statistical 2018 Inference in Biostatistics" Creighton Scholarship of Teaching and Learning Grant Amount: \$1,500 (Awarded) • PI: Aimee Schwab-McCoy



